

New Jersey Department of Transportation
QUALITY IMPROVEMENT ADVISORY

QUALITY MANAGEMENT SERVICES

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QIA No. QIA014

Approved: B. Strizki
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Process Affected:

☒ Scope ☒ Design ☒ Right of Way ☒ Utilities ☒ Environmental ☒ Historic ☒ Construction

Bureaus Affected: Design, Project Management
& Construction

Procedure(s) Affected: Design Development
Scope Development & Construction

Route & Section: N/A

County/Municipality: N/A

Project Summary: N/A

Nature of Problem(s):

The findings of several 70-90 completion meetings and recent Construction Orders included a number of issues that could have been resolved during the scoping and design phase. Many of these issues result from project elements being compromised solely due to the requirement to meet existing project schedules and/or established budgets. This often results in increased construction costs, construction delays and inconvenience to the traveling public.

As an example, in a recent contract, three deteriorated cobble stone intersections required rehabilitation. Within this same contract, heavy rutting of the roadway surface had to be repaired. These items should have been evident in the scope or development phase of the contract.

Recommendation(s):

Corrective Action Notice (CAN) 014 will soon be released and will require that designers complete a quality assurance checklist and submit a certification assuring the Department that all the requirements of the initial and final design submissions have been completed. In order to allow necessary elements to be properly incorporated into the Contract documents, and thereby avoid the above mentioned impacts, it is necessary for the following to be provided by the Division of Project Management:

- Sufficient funds and adequate time frames in the Design schedule to allow for constructibility reviews.
- Sufficient funds and adequate time frames in the Design schedule to allow for on-site reviews of the project.
- Sufficient funds and adequate time frames in the Design schedule to allow for proper scope and design development.

By establishing adequate funding and schedules, the Department should realize an **overall** project savings and benefit from the construction of a **quality** project.

Implementation: Effective immediately

Impact Assessment:

☒ Schedule ☒ Quality ☒ Cost ☒ Scope

Cost Impact:

Can be considerable.